Form PTO 948 (Rev. 03/02) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office Application No. 9/380,015

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	8. ARRANGEMENT OF VIEWS, 37 CFR 1.84(i)
Black ink. Color.	Words do not appear on a horizontal, left-to-right fashion
Color drawings are not acceptable until petiton is granted.	when page is either upright or turned so that the top
Fig(s)	becomes the right side, except for graphs. Fig(s)
Pencil and non black ink not permitted. Fig(s)	9. SCALE. 37 CFR 1.84(k)
PHOTOGRAPHS. 37 CFR 1.84(b)	Scale not large enough to show mechanism without
1 full-tone set is required. Fig(s)	crowding when drawing is reduced in size to two-thirds in
Photographs may not be mounted. 37 CFR 1.84(e)	reproduction.
Poor quality (half-tone). Fig(s)	Fig(s)
TYPE OF PAPER. 37 CFR 1.84(e)	10. CHARACTER OF LINES, NUMBERS, & LETTERS.
Paper not flexible, strong, white, and durable.	37 CFR 1.84(I)  Lines, numbers & letters not uniformly thick and well
Fig(s) Erasures, alterations, overwritings, interlineations,	defined, clean, durable, and black (poor line quality).
folds, copy machine marks not accepted. Fig(s)	Fig(s) 3 — 8
Mylar, velum paper is not acceptable (too thin).	11. SHADING. 37 CFR 1.84(m)
Fig(s)	Solid black areas pale. Fig(s)
SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:	Solid black shading not permitted. Fig(s)
21.0 cm by 29.7 cm (DIN size A4)	Shade lines, pale, rough and blurred. Fig(s)
21.6 cm by 27.9 cm (8 1/2 x 11 inches)	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
All drawing sheets not the same size.	37 CFR 1.84(p)
Sheet(s)	Numbers and reference characters not plain and legible.
Drawings sheets not an acceptable size. Fig(s)	Fig(s) 3-8
MARGINS. 37 CFR 1.84(g): Acceptable margins:	Figure legends are poor. Fig(s)
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm	Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
SIZE: A4 Size	Fig(s)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	English alphabet not used. 37 CFR 1.84(p)(2)
SIZE: 8 1/2 x 11	Figs
Margins not acceptable. Fig(s)  Top (T) Left (L)	Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
Top (T) Left (L) Right (R) Bottom (B)	Fig(s)
VIEWS. 37 CFR 1.84(h)	13. LEAD LINES. 37 CFR 1.84(q)
REMINDER: Specification may require revision to	Lead lines cross each other. Fig(s)
correspond to drawing changes.	Lead lines missing. Fig(s)
Partial views. 37 CFR 1.84(h)(2)	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
Brackets needed to show figure as one entity.	Sheets not numbered consecutively, and in Arabic numera
Fig(s)	beginning with number 1. Sheet(s)
Views not labeled separately or properly.	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Fig(s)	Views not numbered consecutively, and in Arabic numera
Enlarged view not labeled separetely or properly.	beginning with number 1. Fig(s)
Fig(s)	16. CORRECTIONS. 37 CFR 1.84(w)
•	Corrections not made from prior PTO-948
SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)	dated
Hatching not indicated for sectional portions of an object.	17. DESIGN DRAWINGS. 37 CFR 1.152
Fig(s)	Surface shading shown not appropriate. Fig(s)
Sectional designation should be noted with Arabic or	Solid black shading not used for color contrast.
Roman numbers. Fig(s)	Fig(s)
COMMENTS	

REVIEWER J.CHASE	DATE 11-7-02	TELEPHONE NO. 703 305 8430
ATTACHMENT TO PAPER NO.		